

(FILE 'HOME' ENTERED AT 13:24:59 ON 10 MAY 2001)

FILE 'USPATFULL' ENTERED AT 13:25:06 ON 10 MAY 2001

L1	9421 S SERVER# AND CLIENT#
L2	204690 S NETWORK# OR INTERNET
L3	185538 S ID OR IDENTIFICATION
L4	5102 S MONITOR? (P) L1
L5	4846 S L2 (P) L4
L6	3311 S L3 (P) L4
L7	759 S SUBSCRIBER# (P) L5
L8	723 S ACCESS? (P) L7
L9	29367 S HOST# AND USER#
L10	354 S L8 (P) L9
L11	129 S L10 (P) HTML
L12	108 S L11 (P) L3
L13	108 S L4 (P) L12
L14	109 S SERVER ID

L15 ANSWER 1 OF 4 USPATFULL

TI Dynamic load balancing of a **network** of **client** and **server** computers

AB Methods for load rebalancing by **clients** in a **network** are disclosed. **Client** load rebalancing allows the **clients** to optimize throughput between themselves and the resources **accessed** by the nodes. A **network**, which implements this embodiment of the invention, can dynamically rebalance itself to optimize throughput by migrating **client** I/O requests from over utilized pathways to under utilized pathways. **Client** load rebalancing allows a **client** to re-map a path through a plurality of nodes to a resource. The re-mapping may take place in response to a redirection command from an overloaded node.

PI US 6185601 20010206

L15 ANSWER 2 OF 4 USPATFULL

TI Clustered file management for **network** resources

AB Methods for operating a **network** as a clustered file system is disclosed. The methods involve **client** load rebalancing, distributed Input and Output (I/O) and resource load rebalancing. **Client** load rebalancing refers to the ability of a **client** enabled with processes in accordance with the current invention to remap a path through a plurality of nodes to a resource. Distributed I/O refers to the methods on the **network** which provide concurrent input/output through a plurality of nodes to resources. Resource rebalancing includes remapping of pathways between nodes, e.g. **servers**, and resources, e.g. volumes/file systems. The **network** includes **client** nodes, **server** nodes and resources. Each of the resources couples to at least two of the **server** nodes. The method for operating comprising the acts of: redirecting an I/O request for a resource from a first **server** node coupled to the resource to a second **server** node coupled to the resource; and splitting the I/O request at the second **server** node into an **access** portion and a data transfer portion and passing the **access** portion to a corresponding administrative **server** node for the resource, and completing at the second **server** nodes subsequent to receipt of an **access** grant from the corresponding administrative **server** node a data transfer for the resource. In an alternate embodiment of the invention the methods may additionally include the acts of: detecting a change in an availability of the **server** nodes; and rebalancing the **network** by applying a load balancing function to the **network** to re-assign each of the available resources to a corresponding available administrative **server** node responsive to the detecting act.

PI US 6101508 20000808

L15 ANSWER 3 OF 4 USPATFULL

TI System integrating an on-line service community with a foreign service

AB A system and method for integrating an on-line service community with a foreign service such as the **Internet** World Wide Web. To take advantage of the present invention, on-line service **subscribers** **access** a membership module to complete a membership process in which they join communities each of which represents a specific area of interest. The present invention operates as an extension to a **user's** preferred Web browser and is manifested as a toolbar comprised of control buttons and a viewer on a computer **user's** screen. By interacting with the control buttons of the toolbar and the

menus of the viewer, on-line service content is delivered to the **user** in response to the URLs specified by the **user** as he or she browses the Web. In addition, control buttons on the toolbar present opportunities for interacting with other community members. Although the **user** may change URLs and Web sites frequently, the present invention maintains a context--via a persistent connection between a Community **Server** at the on-line service and a Community **Client** on the **user's** computer--for the **user's** interactions so that on-line service content may be presented and interactions with other community members facilitated.

The

benefit of the present invention for end-**users** is a transformation of the Web to a community.

PI US 6020884 20000201

L15 ANSWER 4 OF 4 USPATFULL

TI System for intergrating an on-line service community with a foreign service

AB A system and method are disclosed for integrating an on-line service community with a foreign service such as the **Internet** World Wide Web. To take advantage of the present invention, on-line service **subscribers** access a membership module to complete a membership process in which they join communities each of which represents a specific area of interest. The present invention operates as an extension to a **user's** preferred Web browser and is manifested as a toolbar comprised of control buttons and a viewer on a computer **user's** screen. By interacting with the control buttons of the toolbar and the menus of the viewer, on-line service content is delivered to the **user** in response to the URLs specified by the **user** as he or she browses the Web. In addition, control buttons on the toolbar present opportunities for interacting with other community members. Although the **user** may change URLs and Web sites frequently, the present invention maintains a context--via a persistent connection between a Community **Server** at the on-line service and a Community **Client** on the **user's** computer--for the **user's** interactions so that on-line service content may be presented and interactions with other community members facilitated. The benefit of the present invention for end-**users** is a transformation of the Web to a community.

PI US 5796393 19980818